

## TEL

## Telecommunications

### **TEL 101 INTRODUCTION TO MEDIA AND CULTURE. (3)**

This course focuses on the study of electronic mass media. It surveys the cultural industries from multiple perspectives, including history, economics, production processes, content, social effects, diversity, and globalization. It emphasizes the relationships among the electronic mass media, culture, and power.

### **TEL 201 COMMUNICATION TECHNOLOGIES AND SOCIETY. (3)**

Historical survey of broadcasting, common carrier, and related electronic media technologies, including the Internet. This course focuses on the social, political, and policy dimensions of the adoption and use of communication technologies. Special attention is paid to significant issues in contemporary public policy and practice, such as protection of privacy and personal information, information ownership, free speech, and censorship.

### **TEL 300 TELECOMMUNICATIONS RESEARCH METHODS. (3)**

An introduction to quantitative and qualitative social science research relating to telecommunications, including survey and experimental methods. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 310 TELECOMMUNICATIONS POLICY AND REGULATION. (3)**

A study of policy and regulation of telecommunications in the U.S., primarily broadcasting, cable, telephony, and the Internet. This includes traditional issues in the regulation of content, such as freedom of speech, copyright, obscenity, and privacy. It also includes traditional areas in the regulation of the industry structure including monopolies, licensing, cross ownership rules, mergers, and illegal practices. Prereq: Telecom major status.

### **TEL 312 VIDEO PRODUCTION I. (3)**

An introduction to the fundamentals of studio video production, from conception to completed product. Practical training with essential production equipment will be offered. Lecture, two hours; laboratory, two hours per week. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 319 WORLD MEDIA SYSTEMS. (3)**

A comparison of the communications media in different countries of the world and the theories used to justify them. How various political and social systems affect the media and how the media affect the societies in which they exist. Prereq: JOU 101, TEL 101, or ISC 161. (Same as ISC/JOU 319.)

### **TEL 322 MULTIMEDIA I. (3)**

Introduction to techniques of multimedia production and the basic principles of communication via multimedia. Practical, hands-on experience with various media used in computer-based multimedia including: text, still graphics, motion graphics, animation, sound, and hyperlinking. Includes stand-alone computer- and Web-based applications. Lecture, two hours; laboratory, two hours per week. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 355 COMMUNICATION AND INFORMATION SYSTEMS IN ORGANIZATIONS. (3)**

An examination of the role of a variety of communication and information systems used in organizations. This includes the study of communication processes across a variety of systems, including the telephone, e-mail, voice mail, and audio- and video-conferencing. It also includes an examination of the uses for a variety of information systems and technologies, including computer networks, integrated voice response systems, computer-telephony integration, call centers, automated attendants, voice recognition, and synthesis, database management systems, and a variety of additional hardware and software tools used in business today. Prereq: Telecom major status or consent of instructor.

### **TEL 390 SPECIAL TOPICS IN MEDIA PRODUCTION (Subtitle required). (3)**

Course will focus on selected topics in the practice and theory of electronic media production. Course will be offered on demand. May be repeated to a maximum of six credits under a different subtitle. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 404 MEDIA ORGANIZATIONS. (3)**

An examination of the structure of video entertainment and on-line communications organizations and industries. Includes the organization and management of various types of telecommunications properties, as well as their traditional and new competitors. Prereq: Telecom major or minor status or consent of instructor.

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### **TEL 412 VIDEO PRODUCTION II. (3)**

A follow-up to TEL 312, this course is an advanced video production course focusing on electronic field production (EFP). This course features technical and creative aspects of directing, camera work, editing, and lighting. Lecture, three hours; laboratory, one hour per week. Prereq: TEL 312 or consent of instructor.

### **TEL 420 ELECTRONIC MEDIA CRITICISM. (3)**

Examination of each of several critical theories and approaches to the criticism of telecommunications program content. Practical experience in evaluating critical writing and in the writing of critical pieces. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 422 MULTIMEDIA II. (3)**

This is an advanced course in computer-based interactive multimedia design and development. The course is designed to expand the student's knowledge of, and ability to author, Web applications integrating audio, graphics, video, text, animation, and interactive components for education, entertainment, and business purposes. Prereq: TEL 322 or consent of instructor.

### **TEL 432 AUDIO PRODUCTION. (3)**

Elements of audio production, including basic machines, microphones, patch panels, the production mixing. Different audio products are discussed. Lecture, two hours; laboratory, two hours per week. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 453 MASS COMMUNICATION AND SOCIAL ISSUES. (3)**

A course devoted to the examination of criticism of the mass media and an evaluation of the relationship of mass communication to contemporary social issues. Prereq: TEL 300; or COM 249, COM 351 and COM 365; or consent of instructor.

### **TEL 482 ELECTRONIC MEDIA SALES MANAGEMENT. (3)**

The data and techniques of radio and television advertising, including problems of coverage and circulation, spot campaigns, testing, time buying, the agency, measuring broadcast effectiveness, merchandising radio and television advertising and time selling. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 490 SPECIAL TOPICS IN MEDIA INDUSTRY STUDIES (Subtitle required). (3)**

The primary focus of this course is to provide an overview of the various Telecommunications Industry segments in a way that leads more specifically to the development of a business plan, model, or project that entails a solid understanding of marketing and management skills, career development and opportunities, and human and organizational factors for specific industries. By focusing on the structures and processes of each industry segment, students will gain a comprehensive understanding of different aspects and approaches to industry management and will examine some of the key issues facing each industry today. Prereq: TEL major or minor status, or consent of instructor.

### **TEL 520 SOCIAL EFFECTS OF THE MASS MEDIA. (3)**

An examination of the political, social, cultural and behavioral effects of telecommunications systems in American society. Focus on theory and empirical research generated since 1940. Prereq: TEL 300 or consent of instructor.

### **TEL 530 PRO-SEMINAR IN TELECOMMUNICATIONS. (3)**

Discussion and reports on current trends in telecommunications industries and the behavioral, political and regulatory implications attending such trends. Prereq: Telecom major or minor status or consent of the instructor.

### **TEL 535 TELECOMMUNICATIONS NETWORK MANAGEMENT. (3)**

The primary focus of this course is the design and management of telecommunications networks and resources. In a framework that includes both the technical and business aspects of telecommunications, the course examines the capabilities and limitations of a wide range of data network technologies in the context of needs assessments, design, implementation, and evaluation; the relative advantages and disadvantages of various technological configurations for specific business purposes; and the impact of human and organizational factors in network design. Prereq: TEL major or minor status, or consent of the instructor.

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**TEL 555 THE INTERNET AND SOCIAL CHANGE.**

**(3)**

An critical examination of the political, cultural, technological, social, and behavioral aspects of Internet-mediated communication. Emphasis on research literature and theory on emerging platforms of new media technologies and applications. Prereq: TEL 300 or consent of instructor.

**TEL 590 SPECIAL TOPICS IN SOCIAL-CULTURAL MEDIA STUDIES (Subtitle required).**

**(3)**

Course will focus on a single topical issue in the theory, research, and criticism of electronic media. Course will be offered on demand. May be repeated to a maximum of six credits under a different subtitle. Prereq: Telecom major or minor status or consent of the instructor.